

## INDEX OF SUBJECTS

### Original Articles

#### A

- ABO incompatibility, immediate spin crossmatch to detect, 677  
 Acetylaminofluorene, synergistic action with estradiol, on rabbit uterus (abstract), 414
- Acquired immunodeficiency syndrome (AIDS)  
*Cryptococcus neoformans* fungemia in, failure of Bactec® 460 radiometer to detect, 783  
 disseminated extraintestinal isosporiasis in, 536  
 factor-deficient plasma and, 263  
 giant neutrophils with increased peroxidase activity in, 584  
 HTLV-III antibodies in immune serum globulin preparations in, 635  
 intestinal lymphocyte subpopulations in, 356  
*Pneumocystis carinii* involvement of bone marrow in, 780  
 pulmonary infection in, rapid diagnosis of (abstract), 416
- Adenocarcinoma  
 arising in Barrett's esophagus, columnar epithelial dysplasia and, 301  
 cytokeratin expression in, 708  
 differentiating bile duct carcinomas from metastases of, using tissue polypeptide antigen, 168
- Adenoma  
 colorectal, aneuploidy and expression of gastric-associated mucus antigens in, 174  
 of thyroid, calcium oxalate crystals in thyroid and, 443
- Adrenal nodules, black pigmented, neuromelanin in, 334
- Agglutination, potentiation of red blood cell antigen-antibody reactions and, polyethylene glycol and, 633
- Aggressive course, in chronic lymphocytic leukemia, 55
- AIDS-related complex, intestinal lymphocyte subpopulations in, 356
- Alkaptonuria, ochronotic arthropathy and, 762
- Allergic reactions, to blood transfusions, cancer and, 253
- Alloimmunization, red cell, in HLA-typed multitransfused patients (abstract), 419
- Allopurinol, protection of renal cells against free radical damage *in vitro* and, 601
- Alpha-fetoprotein, detection by immunocytochemistry, in amniotic fluid, 37
- Alpha-lactalbumin, in epithelial tumors of ovary, 752
- Alpha-thalassemia, in neonates, screening for, 389
- Alveolar damage, diffuse, amiodarone-associated, 7
- Amino acid analysis, 614
- Amino acidopathies, high-pressure liquid chromatography for investigation of, 614
- Amiodarone, pulmonary toxicity associated with, 7
- Amniotic fluid  
 determination of phosphatidylglycerol in (abstract), 422  
 evaluation of phospholipids in (abstract), 413  
 macrophages in, in fetal neural tube defect, 37
- Amyloidosis  
 with diffuse splenic infiltration, presenting as fulminant pneumococcal sepsis, 405  
 renal, immunohistochemical characterization of, 756
- Anaplastic thyroid carcinoma, immunohistology of, 434
- Anemia  
 expert system as aid in diagnosis of, 608  
 red cell distribution in, 293  
 in rheumatoid arthritis, hematologic and iron-related measurements in, 196  
 screening for, protoporphyrin in, 511
- Aneuploidy  
 DNA, colon polyps and, flow cytometric analysis and, 313  
 expression of gastric-associated mucus antigens and, in colorectal adenomas, 174
- Angiosarcoma, of breast, following segmental mastectomy complicated by lymphedema, 651
- Angiotensin I-converting enzyme, in suprasellar germinoma, 281
- Antibiotic susceptibility  
 of *Branhamella catarrhalis*, 498  
 of *Campylobacter pyloridis*, 49
- Antibodies  
 anti-nDNA, detection using *Crithidia luciliae*, 461  
 antinuclear, lupus erythematosus cells in serum and pleural fluid and, 660  
 antiplatelet, measurement of, 518  
 to human immunodeficiency virus, in factor-deficient plasma, 263  
 monoclonal  
 automated use of (abstract), 411  
 in colon carcinoma, metastatic, primary and autologous (abstract), 417  
 cytokeratin expression and, 708  
 detection of estrogen receptors with, in breast carcinoma, 161  
 detection of gastric-associated mucus antigens by, as marker of acute nonlymphoid leukemia (abstract), 416  
 measurement of plasma fibrin D-dimer levels with, 94  
 in quantitation of lymphocyte subsets, 470  
 OKB7 positivity and, in chronic lymphocytic leukemia, 383  
 reactivity to HTLV-III, in immune serum globulin preparations, 635
- Anticoagulants, oral, plasma protein C activity and, 491
- Antigen(s)  
 blood group, as markers for normal differentiation and malignant change, 129  
 capture of, for diagnosis of tuberculous meningitis (abstract), 421  
 detection of, Group A streptococci and, in throat swabs, 522  
 epithelial membrane, reaction of epithelial sarcoma with antibodies against, 319  
 expression of, in anaplastic thyroid tumors, 434  
 Factor IX metal ion-dependent, for measurement of warfarin effect, 370  
 gastric-associated, in colorectal adenomas, 174  
 leukocyte tissue distribution of, 681, 700  
 lymphocyte, detection of surface phenotype and proliferating lymphocytes and, 725  
 mucus, gastric-associated, in colorectal adenomas, 174  
 tissue polypeptide, differentiation of cholangiolar tumors from other hepatic tumors with, 168
- Antimicrobial therapy, association with postmortem spleen cultures, 770
- Anti-nDNA antibodies, detection of, using *Crithidia luciliae*, 461
- Antineoplastic activity, of indolyl-3-alkane alpha-hydroxylase (abstract), 413
- Antinuclear antibodies, lupus erythematosus cells in serum and pleural fluid and, 660
- Antiplatelet antibodies, in immune thrombocytopenia purpura, measurement of, 518

## INDEX OF SUBJECTS

### Original Articles

#### A

- ABO incompatibility, immediate spin crossmatch to detect, 677  
 Acetylaminofluorene, synergistic action with estradiol, on rabbit uterus (abstract), 414
- Acquired immunodeficiency syndrome (AIDS)  
*Cryptococcus neoformans* fungemia in, failure of Bactec® 460 radiometer to detect, 783  
 disseminated extraintestinal isosporiasis in, 536  
 factor-deficient plasma and, 263  
 giant neutrophils with increased peroxidase activity in, 584  
 HTLV-III antibodies in immune serum globulin preparations in, 635  
 intestinal lymphocyte subpopulations in, 356  
*Pneumocystis carinii* involvement of bone marrow in, 780  
 pulmonary infection in, rapid diagnosis of (abstract), 416
- Adenocarcinoma  
 arising in Barrett's esophagus, columnar epithelial dysplasia and, 301  
 cytokeratin expression in, 708  
 differentiating bile duct carcinomas from metastases of, using tissue polypeptide antigen, 168
- Adenoma  
 colorectal, aneuploidy and expression of gastric-associated mucus antigens in, 174  
 of thyroid, calcium oxalate crystals in thyroid and, 443
- Adrenal nodules, black pigmented, neuromelanin in, 334
- Agglutination, potentiation of red blood cell antigen-antibody reactions and, polyethylene glycol and, 633
- Aggressive course, in chronic lymphocytic leukemia, 55
- AIDS-related complex, intestinal lymphocyte subpopulations in, 356
- Alkaptonuria, ochronotic arthropathy and, 762
- Allergic reactions, to blood transfusions, cancer and, 253
- Alloimmunization, red cell, in HLA-typed multitransfused patients (abstract), 419
- Allopurinol, protection of renal cells against free radical damage *in vitro* and, 601
- Alpha-fetoprotein, detection by immunocytochemistry, in amniotic fluid, 37
- Alpha-lactalbumin, in epithelial tumors of ovary, 752
- Alpha-thalassemia, in neonates, screening for, 389
- Alveolar damage, diffuse, amiodarone-associated, 7
- Amino acid analysis, 614
- Amino acidopathies, high-pressure liquid chromatography for investigation of, 614
- Amiodarone, pulmonary toxicity associated with, 7
- Amniotic fluid  
 determination of phosphatidylglycerol in (abstract), 422  
 evaluation of phospholipids in (abstract), 413  
 macrophages in, in fetal neural tube defect, 37
- Amyloidosis  
 with diffuse splenic infiltration, presenting as fulminant pneumococcal sepsis, 405  
 renal, immunohistochemical characterization of, 756
- Anaplastic thyroid carcinoma, immunohistology of, 434
- Anemia  
 expert system as aid in diagnosis of, 608  
 red cell distribution in, 293
- in rheumatoid arthritis, hematologic and iron-related measurements in, 196  
 screening for, protoporphyrin in, 511
- Aneuploidy  
 DNA, colon polyps and, flow cytometric analysis and, 313  
 expression of gastric-associated mucus antigens and, in colorectal adenomas, 174
- Angiosarcoma, of breast, following segmental mastectomy complicated by lymphedema, 651
- Angiotensin I-converting enzyme, in suprasellar germinoma, 281
- Antibiotic susceptibility  
 of *Branhamella catarrhalis*, 498  
 of *Campylobacter pyloridis*, 49
- Antibodies  
 anti-nDNA, detection using *Crithidia luciliae*, 461  
 antinuclear, lupus erythematosus cells in serum and pleural fluid and, 660  
 antiplatelet, measurement of, 518  
 to human immunodeficiency virus, in factor-deficient plasma, 263  
 monoclonal  
   automated use of (abstract), 411  
   in colon carcinoma, metastatic, primary and autologous (abstract), 417  
   cytokeratin expression and, 708  
   detection of estrogen receptors with, in breast carcinoma, 161  
   detection of gastric-associated mucus antigens by, as marker of acute nonlymphoid leukemia (abstract), 416  
   measurement of plasma fibrin D-dimer levels with, 94  
   in quantitation of lymphocyte subsets, 470  
 OKB7 positivity and, in chronic lymphocytic leukemia, 383  
 reactivity to HTLV-III, in immune serum globulin preparations, 635
- Anticoagulants, oral, plasma protein C activity and, 491
- Antigen(s)  
 blood group, as markers for normal differentiation and malignant change, 129  
 capture of, for diagnosis of tuberculous meningitis (abstract), 421  
 detection of, Group A streptococci and, in throat swabs, 522  
 epithelial membrane, reaction of epithelial sarcoma with antibodies against, 319  
 expression of, in anaplastic thyroid tumors, 434  
 Factor IX metal ion-dependent, for measurement of warfarin effect, 370  
 gastric-associated, in colorectal adenomas, 174  
 leukocyte tissue distribution of, 681, 700  
 lymphocyte, detection of surface phenotype and proliferating lymphocytes and, 725  
 mucus, gastric-associated, in colorectal adenomas, 174  
 tissue polypeptide, differentiation of cholangiolar tumors from other hepatic tumors with, 168
- Antimicrobial therapy, association with postmortem spleen cultures, 770
- Anti-nDNA antibodies, detection of, using *Crithidia luciliae*, 461
- Antineoplastic activity, of indolyl-3-alkane alpha-hydroxylase (abstract), 413
- Antinuclear antibodies, lupus erythematosus cells in serum and pleural fluid and, 660
- Antiplatelet antibodies, in immune thrombocytopenia purpura, measurement of, 518

- Antithrombin III, heparin activation of, protamine neutralization of, 210
- Arm bleeding time, leg bleeding time compared with, 393
- Arthropathy, ochronotic, synovium in, 762
- Ascorbate, calcium oxalate crystals in thyroid and, 443
- Aspirin, arm and leg bleeding times and, 393
- Assay method, for protein C activity, in whole plasma, 619
- Automated analyzer, for complete blood count parameters, 71
- Automated cytochemistry, giant neutrophils with increased peroxidase activity and, 584
- Automatic classification, of nuclear profiles, in non-Hodgkin's lymphoma, 561

## B

- Bactec 6B, agar slide blood culture device compared with, for detection of bacteremia, 272
- Bactec® 460 radiometer, failure to detect *Cryptococcus neoformans* fungemia, in AIDS, 783
- Bacteremia
  - detection of, agar slide blood culture device and Bactec 6B compared for, 272
  - postmortem spleen cultures and, 770
- Bacteria
  - morphology of, in cat scratch disease, 739
  - recovery of, by Septi-Chek® and Isolator® systems, 396
- Bacterial endocarditis, native-valve, 408
- Barrett's esophagus, invasive adenocarcinoma arising in, columnar epithelial dysplasia and, 301
- Bart's hemoglobin, in alpha-thalassemia, in neonate, 389
- Basement membrane accumulations, extracellular hyaline bodies as, 455
- Basophil, in chronic granulocytic leukemia, 66
- Bile duct carcinomas, differentiating from hepatocellular carcinoma, using tissue polypeptide antigen, 168
- Bilirubin, direct, abnormally high values of, in serum of newborns, 642
- Blast crisis, lymphoid and myeloid, cytogenetic distinction between, in chronic granulocytic leukemia (abstract), 418
- Blastic variant, of hairy-cell leukemia, 576
- Blast transformation, lymphocytic, morphometric analysis of, 414
- Bleeding times, on arm and leg, comparison of, 393
- Blood
  - cord, Bart's hemoglobin in, 389
  - CSF contamination by, effect on CNS IgG synthesis rate and IgG index (abstract), 422
- Blood alcohols, in emergency room patients, 773
- Blood cell analyzer, evaluation of (abstract), 417
- Blood culture
  - Bactec 6B compared with, for detection of bacteremia, 272
  - comparison of Septi-Chek® and Isolator® systems for, 396
- Blood donors
  - anti-HTLV III screening of, evaluation of recombinant DNA immunoassay for (abstract), 420
  - evaluation of anemia risk in, protoporphyrin in, 511
  - li blood group and, 101
- Blood group antigens, as markers for normal differentiation and malignant change, 129
- Blood groups, association with cataracts, in white patients, 101
- Blood transfusions
  - neonatal
    - failure to form red blood cell alloantibodies following, 250
    - thrombi and, 380
  - reactions to, in cancer patients, 253
  - red cell alloimmunization and (abstract), 419
- B-lymphocytes, parafollicular, lymphoma arising from, 121
- Bone marrow
  - Pneumocystis carinii* involvement of, in AIDS, 780
  - pseudo-Gaucher cells in, in Hodgkin's disease, 528
- Bone marrow biopsy
  - FAB proposals applied to, 180
  - in multiple myeloma, histologic classification and staining and, 342
  - in rheumatoid arthritis, 196
- Branhamella catarrhalis*, beta-lactamase-producing strains of, in sputum Gram's stain and culture, 498
- Breast
  - angiosarcoma of, following segmental mastectomy complicated by lymphedema, 651
  - male, benign papilloma of, 649
  - sweat gland tumors of, resembling syringocystadenoma papilliferum, 656
- Breast cancer
  - detection of steroid hormone receptors in
    - imprint cytology in, 30
    - with monoclonal antibodies, 161
  - mucinous, prognostic factors in, 155
- Bronchoalveolar lavage, rapid detection of cytomegalovirus in, 766
- Bronchopulmonary infections, beta-lactamase-producing strains of *Branhamella catarrhalis* in, in sputum Gram's stain and culture, 498
- Burn(s), cytomegalovirus in, initially diagnosed by skin biopsy, 113
- Bypass procedures, extracorporeal, heparin rebound and other complications of, heparin-protamine complexes in production of, 210

## C

- Calcium oxalate crystals, in thyroid, 443
- Calcofluor white stain, for fungi, 295
- Campylobacter
  - isolation and characterization of, from gastric biopsies, 49
  - pyloric, gastric associations with (abstract), 412
- Campylobacter-like organisms, gastric biopsies and, 49
- Cancer
  - of colon, evaluation of CEA expression in (abstract), 417
  - determination of urinary homovanillic acid using nitrosonaphthol reaction and, 644
  - sellar tumor without, 776
  - thyroid, immunohistology of, 434
  - transfusion reactions and, 253
- Carcinoembryonic antigen
  - in colon cancer, primary and metastatic (abstract), 417
  - expression of, gastric-associated, in colorectal adenomas, 174
- Carcinoid tumor, of middle ear, 592
- Carcinoma
  - arising in Barrett's esophagus, columnar epithelial dysplasia and, 301
  - of bile ducts, differentiating from hepatocellular carcinoma, using tissue polypeptide antigen, 168
- of breast
  - following segmental mastectomy complicated by lymphedema, 651
  - correlation of tissue estrogen receptors and histologic immunoperoxidase estrogen receptors in (abstract), 415
  - detection of estrogen receptors in, 161
  - of colon, metastatic, primary and autologous, ABH antigen expression in (abstract), 417
  - cytokeratin expression in, 708
  - differentiating bile duct carcinomas from metastases of, using tissue polypeptide antigen, 168

- hepatocellular  
   differentiating from bile duct carcinoma, using tissue polypeptide antigen, 168  
   metastatic to testes, 117  
 metastatic, cytokeratin expression in, 708  
 papillary, 14  
 serous, ovarian, alpha-lactalbumin in, 752  
 small-cell, of lung, ELISA of neuron-specific enolase in, 245  
 squamous cell  
   cytokeratin expression in, 708  
   *in situ*, koilocytosis preceding, 243  
 of thyroid  
   anaplastic, immunohistology of, 434  
   calcium oxalate crystals in thyroid and, 443  
   undifferentiated, of major salivary glands (abstract), 415  
 Cardiac tissue, improved methods for examination of (abstract), 412  
 Cardiopulmonary bypass, altered lymphocyte subsets during, 626  
 Catalase, protection of renal cells against free radical damage *in vitro* and, 601  
 Cataracts, association with Li blood group and, in white patients, 101  
 Cat scratch disease, ultrastructural observations in, 739  
 Cefnase test, to predict penicillin susceptibility of coagulase-negative staphylococci, 399  
 Cell histograms, evaluation of Coulter S-Plus IV for, 745  
 Cerebrospinal fluid, blood or plasma contamination of, effect on CNS IgG synthesis rate and IgG index (abstract), 422  
 Cervix, koilocytosis preceding squamous cell carcinoma and, 243  
 Chamber count, sensitivity of, 86  
 Cholangiocarcinoma, differentiation from other hepatic tumors, using tissue polypeptide antigen, 168  
 Classification of multiple myeloma, 342  
 Clay Adams Ultra-Flow 100\*, 109  
 Clear cell change, of breast, in nonlactating, nonpregnant women, 23  
 Clinical decision analysis, 285  
 Clinical sensitivity, of leukocyte differential methods, 201  
*Clostridium difficile*  
   detection of, by monolayer assay and inhibition of nucleoside uptake, 270  
   rapid test for detection of (abstract), 420  
   *Clostridium difficile* toxin A, detection of, 298  
 Collagen, type IV, investigation of hyaline bodies with, 455  
 Colon biopsies, *in situ* hybridization for cytomegalovirus in (abstract), 411  
 Colon cancer, evaluation of CEA expression in (abstract), 417  
 Colon polyps, multiparameter flow cytometric analysis of, 313  
 Colorectal adenomas, aneuploidy and expression of gastric-associated mucus antigens in, 174  
 Columnar epithelial dysplasia, invasive adenocarcinoma arising in Barrett's esophagus and, 301  
 Complete blood count parameters, automated hematology analyzer for, 71  
 Computerized diagnosis system, in diagnosis of anemia, 608  
 Computerized interactive morphometry, in non-Hodgkin's lymphoma, 561  
 Computer simulation, interpretation of laboratory reports and, 673  
 Conversion table for SI units, 141  
 Corticotrophin-releasing hormone, in human tumors, immunohistologic localization of, 327  
 Cost-effective testing, in diagnosis of anemia, 608  
 Coulter Counter Model S-Plus IV, comparison with NCCLS reference method, 201  
 Coulter S-Cal, 109  
 Coulter S-Plus IV, 109  
   evaluation as screening tool, 745  
 Coulter S-Plus STKR instrument, evaluation of (abstract), 418  
 C-reactive protein, quantitative solid phase fluorescence immunoassay of, in active rheumatoid arthritis, 223  
 Creatinine kinase, in serum of uremic patients, 103  
*Crithidia luciliae*, detection of anti-nDNA antibodies using, 461  
*Cryptococcus neoformans* fungemia, in AIDS, failure of Bactec® 460 radiometer to detect, 783  
 Cultured human kidney cells, protection against damage from free radicals, 601  
 Cushing's syndrome  
   black pigmented adrenal nodules in, neuromelanin in, 334  
   immunohistologic localization of corticotrophin-releasing hormone in, 327  
 Cyclosporine, determination in whole blood, 528  
 Cystadenocarcinoma, serous, ovarian, alpha-lactalbumin in, 752  
 Cysticercosis, diagnosis of, detection of serum antibodies by one and two dimensional immunoblotting in (abstract), 421  
 Cytochemistry  
   automated, giant neutrophils with increased peroxidase activity and, 584  
   blastic variant of hairy-cell leukemia and, 576  
   identification of eosinophils and basophils by, in chronic granulocytic leukemia, 66  
 Cytochrome P-450<sub>C21</sub>, immunohistochemical analysis of (abstract), 412  
 Cytokeratin  
   differentiation of cholangiolar tumors from other hepatic tumors and, 168  
   in primary and metastatic carcinomas, 708  
   reaction of epithelioid sarcoma with antibodies against, 319  
 Cytomegalovirus  
   in AIDS, 536  
   in colon biopsies, *in situ* hybridization for (abstract), 411  
   Cytomegalia immunoglobulin M assay in, indirect fluorescent antibody testing compared with, 230  
   occult, initially diagnosed by skin biopsy, 113  
   rapid detection of, in bronchoalveolar lavage, 766  
 Cytomegalia immunoglobulin M assay, indirect fluorescent antibody testing compared with, in cytomegalovirus, 230

## D

- Dansyl chloride, high-pressure liquid chromatography and, 614  
 Dermatopathic lymphadenopathy, with and without associated mycosis fungoides, light microscopic, immunostaining, and ultrastructural analysis of, 187  
 Desmin immunoreactivity, in glomus tumors, 292  
 Diagnosis  
   early  
     of alpha-thalassemia, in neonate, 389  
     of hairy cell leukemia, 276  
     medical monitoring protocols and, 285  
 Differential leukocyte count  
   comparison with NCCLS reference method, 201  
   evaluation of Coulter S-Plus IV for, 745  
   evaluation of methods for, 628  
 Diffuse alveolar damage, amiodarone-associated, 7  
 Direct antiglobulin test, high serum immunoglobulin G level and (abstract), 419  
 Direct smears, rinse/filtration technics versus, 296  
 DNA aneuploidy, colon polyps and, flow cytometric analysis and, 313  
 DNA polymerase  $\alpha$ , monoclonal antibodies against, detection of surface phenotype of proliferating lymphocytes with, 725  
 DNA probes, for rapid detection of cytomegalovirus, in bronchoalveolar lavage, 766  
 DNase, detection of estrogen receptors and, in breast carcinoma, 161



- Double staining, proliferating lymphocytes and, 725
- Drug pneumonitis, amiodarone-associated, 7
- DuPont aca, abnormally high values of direct bilirubin measured by, in serum of newborns, 642
- Dysgranulopoiesis, giant neutrophils with increased peroxidase activity in, 584
- Dysplasia, columnar epithelial, invasive adenocarcinoma arising in Barrett's esophagus and, 301
- Dysproteinemia, in chronic lymphocytic leukemia, 385

## E

- Early diagnosis
  - of alpha-thalassemia, in neonate, 389
  - of hairy cell leukemia, 276
- Education, in laboratory management, 402
- Electron microscopy
  - in carcinoid tumor of middle ear, 592
  - of *Pneumocystis carinii*, 504
  - protection of renal cells against free radical damage *in vitro* and, 601
  - of pseudo-Gaucher cells, in Hodgkin's disease, 528
- Electrophoresis, quantification of creatinine kinase MB isoenzyme by, 103
- Endocarditis, native-valve, caused by *Staphylococcus epidermidis*, 408
- Endocrine neoplasms, immunohistologic localization of corticotrophin-releasing hormone in, 327
- Endogenous peroxidase, detection by immunocytochemistry, in amniotic fluid, 37
- Endoscopy, in diagnosis of gastroesophageal reflux, 43
- Endothelial cells
  - phenotypic diversity of, 569
  - subsets of, 569
- Enolase, neuron-specific, assessment by ELISA, with small cell carcinoma of lung, 245
- Enzyme histochemistry, endothelial cell phenotypic diversity and, 569
- Enzyme-linked immunosorbent assay (ELISA)
  - of neuron-specific enolase, with small cell carcinoma of lung, 245
  - passive hemagglutination test compared with, for IgM antibody to hepatitis B core antigen, 267
  - pregnancy tests and, 236
- Eosinophils
  - in chronic granulocytic leukemia, 66
  - intraepithelial, in histologic diagnosis of gastroesophageal reflux, 43
- Epithelial membrane antigen, reaction of epitheloid sarcoma with antibodies against, 319
- Epithelial tumors, of ovary, alpha-lactalbumin in, 752
- Epithelium, distribution of L1 and, 700
- Epitheloid sarcoma, immunohistochemical findings in, 319
- Erythrocyte sedimentation rate, in rheumatoid arthritis, 196
- Esophageal neoplasms, columnar epithelial dysplasia and, 301
- Esophagitis, histologic diagnosis of, intraepithelial eosinophils in, 43
- Esterase, nonspecific
  - in acute monocytic leukemia, 515
  - detection by immunocytochemistry, in amniotic fluid, 37
- Estradiol, synergistic action with 2-acetylaminofluorene, on rabbit uterus (abstract), 414
- Estrogen receptors, in breast cancer
  - correlation of tissue and histologic immunoperoxidase in (abstract), 415
  - detection with monoclonal antibodies, 161
  - imprint cytology in detection of, 30
- Ethanol
  - asymptomatic blood methanol and, gas chromatographic headspace analysis of, effect of specimen type on, 79

- Expert system, as aid in diagnosis of anemia, 608
- Extracorporeal bypass procedures, heparin rebound and other complications of, heparin-protamine complexes in, 210
- Eyecount differential count, Hematrak 590\* compared with, 201

## F

- FAB proposals, applied to bone marrow biopsy, 180
- Factor-deficient plasma, antibody to human immunodeficiency virus in, 263
- Factor IX metal ion-dependent assays, for measurement of warfarin effect, 370
- False positive, pregnancy test and, 236
- Fibrin D-dimer, plasma levels of, measurement with monoclonal antibody coupled to latex beads, 94
- Fibrinogen degradation products, measurement of plasma fibrin D-dimer levels and, 94
- Fibrin polymerization inhibitors, effect on quantitative measurements of plasma fibrinogen (abstract), 419
- Flow cytometry
  - analysis of colon polyps by, 313
  - for complete blood count parameters, 71
  - detection of gastric-associated mucus antigens and, in colorectal adenomas, 174
  - in diagnosis of acute leukemia (abstract), 419
  - of human tumors, reliability of S-phase estimation from (abstract), 415
  - measurement of antiplatelet antibodies by, 518
  - quantitation method for lymphocyte subsets compared with, 470
- Fluorescence, in detection of steroid hormone receptors, in breast cancer, 30
- Fluorescence-activated cell sorter analyses, for quantitation and estimation of lymphocyte subsets, 470
- Fluorescent antibody techniques, for quantitation of lymphocyte subsets, 470
- Follicular neoplasm, 14
- Free radicals, protection of renal cells against damage from, *in vitro*, 601
- Fungemia, in AIDS, failure of Bactec 460 radiometer to detect, 783
- Fungi, calcofluor white stain for, 295

## G

- Gamma globulins, presence of HTLV-III antibodies in, 635
- Gammopathy, monoclonal, in chronic lymphocytic leukemia, 385
- Gardnerella vaginalis*, susceptibility to metronidazole and tinidazole, 640
- Gas chromatographic headspace analysis, for analysis of volatile compounds, effect of specimen type on, 79
- Gastric associated mucus antigens, expression of, in colorectal adenomas, 174
- Gastric disease, with pyloric *Campylobacter*, 49, (abstract), 412
- Gastroesophageal reflux
  - columnar epithelial dysplasia and, invasive adenocarcinoma arising in Barrett's esophagus and, 301
  - histologic diagnosis of, intraepithelial eosinophils in, 43
- Genotyping, of ovarian non-Hodgkin's lymphomas (abstract), 411
- Germinoma, suprasellar, angiotensin I-converting enzyme in, 281
- Gestational trophoblastic tumor, persistence of, 377
- Glial fibrillary acidic protein, detection by immunocytochemistry, in amniotic fluid, 37
- Glomus tumors, desmin immunoreactivity in, 292
- Goiter, nodular colloid, 14
- Granulocytes, distribution of L1 and, 681, 700
- Granulomas, pulmonary hyalinizing, 1

## H

- Hashimoto's thyroiditis, 14  
 calcium oxalate crystals in thyroid and, 443  
 Headspace analysis, chromatographic, effect of specimen type on, 79  
 Helper cells, cardiopulmonary bypass and, 626  
 Hemagglutination test, passive, ELISA compared with, for IgM antibody to hepatitis B core antigen, 267  
 Hemangioendothelioma, differential diagnosis of, 423  
 Hematologic parameters, in infectious mononucleosis, 485  
 Hematologic status, in rheumatoid arthritis, 196  
 Hematraz 590, comparison with NCCLS reference method, 201  
 Hemoglobin electrophoresis, in alpha-thalassemia, in neonate, 389  
 Hemolysis, effect on apparent values of platelet-associated IgG, 218  
 Hemolytic reactions, to blood transfusions, cancer, and, 253  
 Heparin, in production of heparin rebound and other complications of extracorporeal bypass procedures, 210  
 Heparinization, regional, facilitation of safe hemodialysis or hemofiltration by, 556  
 Heparin rebound, heparin-protamine complexes in production of, 210  
 Hepatitis B core antigen, IgM antibody to, solid phase passive hemagglutination test for, 267  
 Hepatocellular carcinoma  
   differentiating from bile duct carcinomas, using tissue polypeptide antigen, 168  
   metastatic to testis, 117  
 Hepatocellular disease, plasma protein C activity in, 491  
 High-performance liquid chromatography, for determination of cyclosporine in whole blood, 528  
 High-pressure liquid chromatography, 614  
 Histiocytoma, fibrous, malignant, histogenesis of, 677  
 Histogenesis, of malignant fibrous histiocytoma, 677  
 Histochemistry, enzyme, endothelial cell phenotypic diversity and, 569  
 Histocompatibility testing, lymphocyte crossmatch and, regional transplant centers and, 258  
 Histologic classification, in mucinous breast cancer, 155  
 HLA-DR, lacking in L1, 681  
 Hodgkin's disease, pseudo-Gaucher cells in bone marrow in, 528  
 Homovanillic acid, determination using nitrosonaphthol reaction, 644  
 Hormonal effect, lactational change and, in breast of nonlactating, nonpregnant women, 23  
 HTLV-III testing, immune serum globulin preparations and, 635  
 Human chorionic gonadotropin  
   monitoring of, after partial molar pregnancy, 377  
   mucus content of urine and, pregnancy tests and, 236  
 Human extraintestinal coccidiosis, in AIDS, 536  
 Human immunodeficiency virus antibody index (abstract), 421  
 Hürthle cell nodule, 14  
 Hyaline bodies, extracellular, as basement membrane accumulations, 455  
 Hyalinizing nodules, pulmonary hyalinizing granulomas and, 1  
 Hybridization, *in situ*, for rapid detection of cytomegalovirus, 766  
 Hydatiform mole, partial, persistence of, 377  
 Hypertension, pulmonary, neonatal transfusion and, 380  
 Hypogammaglobulinemia, in chronic lymphocytic leukemia, 60  
 Hyposplenism, functional, in primary amyloidosis, 405

## I

- Ii blood group, association with cataracts, in white patients, 101  
 Immediate spin crossmatch, to detect ABO incompatibility, 677  
 Immune thrombocytopenia purpura, measurement of antiplatelet antibodies in, 518

- Immunoassay  
   recombinant DNA, evaluation for anti-HTLV III screening of blood donors (abstract), 420  
   solid phase fluorescence, of rheumatoid factor and C-reactive protein, 223  
 Immunoblotting, detection of serum antibodies by, in diagnosis of cysticercosis (abstract), 421  
 Immunocompromised patient, cytomegalovirus in, initially diagnosed by skin biopsy, 113  
 Immunocytochemistry  
   in dermatopathic lymphadenopathy, with and without associated mycosis fungoides, 187  
   detection of alpha-fetoprotein by, in amniotic fluid, 37  
   detection of endogenous peroxidase by, in amniotic fluid, 37  
   detection of glial fibrillary acidic protein by, in amniotic fluid, 37  
   detection of nonspecific esterase by, in amniotic fluid, 37  
   detection of terminal deoxynucleotidyl transferase and myeloperoxidase using, 732  
   of hyaline bodies, 455  
 Immunoenzyme staining, distribution of L1 and, 681, 700  
 Immunoenzyme techniques, in chronic lymphocytic leukemia, 383  
 Immunoassay, quantification of creatinine kinase MB isoenzyme by, 103  
 Immunofluorescence  
   distribution of L1 and, 681, 700  
   protection of renal cells against free radical damage *in vitro* and, 601  
   in renal amyloidosis, 756  
 Immunoglobulin G  
   central nervous system synthesis rate and index, blood or plasma contamination of CSF and (abstract), 422  
   detection by one and two dimensional immunoblotting, in diagnosis of cysticercosis (abstract), 421  
   high serum level of, positive direct antiglobulin test and (abstract), 419  
   intra-blood-brain barrier synthesis of (abstract), 421  
 Immunoglobulin M, cytomegalovirus-specific, Cytomegalia and indirect fluorescent antibody testing for, comparison of, 230  
 Immunohematology, polyethylene glycol potentiation of red blood cell/antibody reactions and, 633  
 Immunohistochemistry  
   alpha-lactalbumin in epithelial tumors of ovary and, 752  
   cytochrome P-450<sub>C21</sub> (abstract), 412  
   detection of estrogen receptors by, in breast carcinoma, 161  
   detection of gastric-associated mucus antigens by, in colorectal adenomas, 174  
   in epitheloid sarcoma, 319  
   of malignant peripheral nerve sheath tumor, 425  
   recognition of hairy cell leukemia in spleen of normal weight and, 276  
   in renal amyloidosis, 756  
   sellar tumors and, 776  
 Immunohistology  
   of anaplastic thyroid tumors, 434  
   localization of corticotrophin-releasing hormone by, in human tumors, 327  
   proliferating lymphocytes and, 725  
 Immunology, in chronic lymphocytic leukemia, 383  
 Immunoperoxidase technique  
   in carcinoid tumor of middle ear, 592  
   cytokeratin expression and, in primary and metastatic carcinomas, 708  
   for quantitation of lymphocyte subsets, 470  
 Immunophenotyping  
   of endothelial cells, 569  
   for quantitation of lymphocyte subsets, 470

- Immunoradiometry, quantification of creatinine kinase MB isoenzyme by, 103
- Immunotyping  
comparative, in non-Hodgkin's lymphomas, 478  
of ovarian non-Hodgkin's lymphomas (abstract), 411
- Imprint cytology, in detection of steroid hormone receptors, in breast cancer, 30
- Inborn errors of metabolism, high-pressure liquid chromatography for investigation of, 614
- Indirect fluorescent antibody testing, Cytomegalia™ immunoglobulin M assay compared with, in cytomegalovirus, 230
- Indolyl-3-alkane alpha-hydroxylase, antineoplastic activity of (abstract), 413
- Infection(s)  
bronchopulmonary, beta-lactamase-producing strains of *Branhamella catarrhalis* in, in sputum Gram's stain and culture, 498  
cytomegalovirus, initially diagnosed by skin biopsy, 113  
opportunistic, in AIDS, 536  
parasitic, 557  
pulmonary, in AIDS, rapid diagnosis of, 416  
staphylococcal, native-valve endocarditis caused by, 408
- Infectious mononucleosis, hematologic parameters and leukocyte histogram patterns in, 485
- Inflammation  
in rheumatoid arthritis, hematologic and iron-related measurements in, 196  
of thyroid gland, 14
- Intermediate filaments, protection of renal cells against free radical damage *in vitro* and, 601
- Interpretation, of quantitative laboratory reports, 673
- Intestine, lymphocyte subpopulations in, in AIDS and AIDS-related complex, 356
- Iron deficiency, evaluation of risk of, protoporphyrin in, 511
- Iron status, peripheral blood parameters and, 294
- Iron stores, in rheumatoid arthritis, 196
- Isolator, comparison with Septi-Chek® system, 396
- Isosporiasis, extraintestinal, in AIDS, 536

## K

- K<sub>3</sub>EDTA, effects on mean platelet volumes, 391
- Kinetoplast staining, detection of anti-nDNA antibodies using *Criethidia luciliae* and, 461
- Koilocytosis, preceding squamous cell carcinoma *in situ*, 243

## L

- Laboratory information system, financial justification of (abstract), 420
- Laboratory interpretive diagnosis, in diagnosis of anemia, 608
- Laboratory management, training program in, 402
- Laboratory reports, interpretation of, 673
- Lactational change, of breast, in nonlactating, nonpregnant women, 23
- Lactiferous ducts, breast tumors arising from, resembling syringocystadenoma papilliferum, 656
- Laminin, investigation of hyaline bodies with, 455
- Latex agglutination, in detection of Group A streptococci, in throat swabs, 522
- Lectin binding, tissue fixation and, 294
- Leg bleeding time, arm bleeding time compared with, 393
- Leu-7, in immunohistochemical study of malignant peripheral nerve sheath tumor, 425

Leukemia  
acute

- flow cytometry in diagnosis of (abstract), 419
- terminal deoxynucleotidyl transferase and myeloperoxidase in, 732
- acute monocytic, nonspecific esterase staining patterns in, 515
- acute nonlymphoid, acute, Leu-M1 as marker of (abstract), 416
- chronic granulocytic  
cytogenetic distinction between lymphoid and myeloid blast crisis in (abstract), 418  
hybrid eosinophilic-basophilic granulocyte in, 66
- chronic lymphocytic  
agranular, aggressive variant of, 55  
monoclonal proteins in, 385  
OKB7 positivity in, 383  
serum immunoglobulins and lymphocyte subsets in, 60
- hairy-cell  
blastic variant of, 576  
recognition of, in spleen of normal weight, 276  
treatment of, 576

## Leukocyte(s)

- elevation of, in Wilms' tumor (abstract), 413
- fecal, use as screen for stool culture (abstract), 421
- Leukocyte antigen, tissue distribution of, 681, 700
- Leukocyte beta-glucosidase, in Hodgkin's disease, 528
- Leukocyte differential count  
comparison with NCCLS reference method, 201  
evaluation of methods for, 628  
Coulter S-Plus IV and, 745
- Leukocyte esterase activity, detection of, in urine, 86
- Leukocyte histograms, in infectious mononucleosis, 485
- Leu-M1, as marker of acute nonlymphoid leukemia (abstract), 416
- Light microscopy, in dermatopathic lymphadenopathy, with and without associated mycosis fungoides, 187
- Light scatter, automated hematology analyzer and, 71
- Likelihood ratios, predictive value derived from, 673
- Lineage fidelity, in chronic granulocytic leukemia, 66
- Lipofuscin, in black pigmented adrenal nodules, 334
- Liver, differentiation of cholangiolar tumors from other hepatic tumors and, 168
- Lupus erythematosus cells, in serum and pleural fluid, with negative fluorescent antinuclear antibody test, 660
- Lymphedema, segmental mastectomy complicated by, angiosarcoma of breast following, 651
- Lymph node status, in mucinous breast cancer, 155
- Lymph nodes, in AIDS, 536
- Lymphocyte(s)  
in AIDS and AIDS-related complex, 356  
"monocytoid," lymphoma arising from, 121  
subsets of  
altered, during cardiopulmonary bypass, 626  
in chronic lymphocytic leukemia, 60  
quantitation method for, compared with flow cytometry, 470
- Lymphocyte antigen, detection of surface phenotype of proliferating lymphocytes and, 725
- Lymphocyte blast transformation, morphometric analysis of (abstract), 414
- Lymphocyte crossmatch, regional transplant centers and, 258
- Lymphoid tissue, detection of surface phenotype of proliferating lymphocytes in, 725
- Lymphoma  
arising from parafollicular B-lymphocytes, 121  
malignant, detection of surface phenotype of proliferating lymphocytes and, 725

non-Hodgkin's  
 comparative immunotypes and, 478  
 computerized classification of nuclear profiles in, 561  
 quantitation and estimation of lymphocyte subsets in, 470  
 ovarian, immunotypic and genotypic characterization of (abstract), 411  
 of thyroid gland, 14  
 Lymphopenia, cardiopulmonary bypass and, 626  
 Lymphoproliferative disorder, monoclonal proteins in, 385  
 Lysis-centrifugation, for blood culture, 396  
 Lysozyme, distribution of L1 and, 681, 700

**M**

M<sub>1</sub> antigens, expression of, in colorectal adenomas, 174  
 Macrophages  
   in amniotic fluid, in fetal neural tube defect, 37  
   distribution of L1 and, 681, 700  
 Malignant change, blood group antigens as markers for, 129  
 Malignant peripheral nerve sheath tumor, immunohistochemical study of, 425  
 Mastectomy, segmental, angiosarcoma of breast following, 651  
 MB isoenzyme, in serum of uremic patients, 103  
 Mean cell volume, in rheumatoid arthritis, 196  
 Mean corpuscular volume, Bart's hemoglobin and, in alpha-thalassemia, 389  
 Mean platelet volume, 365  
   effects of K<sub>3</sub>EDTA, 391  
 Mediastinitis, sclerosing, with pulmonary hyalinizing granulomas, 1  
 Medical decision analysis, 285  
 Medical monitoring protocols, 285  
 Mediterranean spotted fever, pathology of, 669  
 Melanoma, malignant, fluorescent light in etiology of (abstract), 415  
 Meningitis, tuberculous, antigen capture for diagnosis of (abstract), 421  
 Metabolism, inborn errors of, high-pressure liquid chromatography for investigation of, 614  
 Metastasis, of hepatocellular carcinoma, to testis, 117  
 Methanol, in blood, asymptomatic, 773  
 Metronidazole, susceptibility of *Gardnerella vaginalis* to, 640  
 Microaggregates, pulmonary, neonatal transfusions and, 380  
 Middle ear, carcinoid tumors of, 592  
 Minitex sugars, in identification of *Staphylococcus epidermidis*, 525  
 Monitoring protocols, 285  
 Monoclonal antibodies  
   automated use of (abstract), 411  
   in colon carcinoma, metastatic, primary and autologous (abstract), 417  
   cytokeratin expression and, 708  
   detection of estrogen receptors with, in breast carcinoma, 161  
   as marker of acute nonlymphoid leukemia (abstract), 416  
   measurement of plasma fibrin D-dimer levels with, 94  
   in quantitation of lymphocyte subsets, 470  
 Monoclonal gammopathy, in chronic lymphocytic leukemia, 385  
 Monocytes, distribution of L1 and, 681, 700  
 "Monocytoid" lymphocytes, lymphoma arising from, 121  
 Monolayer assay, inhibition of nucleoside uptake compared with, for detection of *Clostridium difficile*, 270  
 Mononucleosis, infectious, hematologic parameters and leukocyte histogram patterns in, 485  
 Mucin, circulating, in Wilms' tumor (abstract), 413  
 Mucosal T-cells, in AIDS and AIDS-related complex, 356  
 Multiple myeloma, histologic classification and staging of, 342

Myelin basic protein, in immunohistochemical study of malignant peripheral nerve sheath tumor, 425  
 Myelodysplastic syndromes, histopathology of, 180  
 Myeloma  
   acquired von Willebrand's disease with, 663  
   multiple, histologic classification and staging of, 342  
 Myeloperoxidase, in acute leukemias, 732

## N

NCCLS (National Committee for Clinical Laboratory Standards) reference method, comparison with other methods, 201  
 Neonatal transfusion  
   failure to form red blood cell alloantibodies in response to, 250  
   pulmonary microaggregates and thrombi and, 380  
 Neonate  
   abnormally high values of direct bilirubin in serum of, 642  
   screening for alpha-thalassemia, 389  
 Neoplasms  
   endocrine, immunohistologic localization of corticotrophin-releasing hormone in, 327  
   esophageal, columnar epithelial dysplasia and, 301  
   follicular, 14  
 Neural tube defects, fetal, amniotic fluid macrophages in, 37  
 Neuroblastoma, determination of urinary homovanillic acid using nitrosonaphthol reaction in, 644  
 Neuroendocrine cells, in carcinoid tumor of middle ear, 592  
 Neurogenic sarcoma, immunohistochemical study of, 425  
 Neuromelanin, in black pigmented adrenal nodules, 334  
 Neuron-specific enolase, assessment by ELISA, with small cell carcinoma of lung, 245  
 Neutrophils, giant, with increased peroxidase activity, in AIDS, 584  
 Nitrosonaphthol reaction, determination of urinary homovanillic acid using, 644  
 Nonspecific esterase  
   in acute monocytic leukemia, 515  
   detection by immunocytochemistry, in amniotic fluid, 37  
 Nuclear profiles, computerized classification of, in non-Hodgkin's lymphoma, 561  
 Nuclear staining, of *Crithidia luciliae*, detection of anti-nDNA antibodies and, 461  
 Nucleoside uptake inhibition, monolayer assay compared with, for detection of *Clostridium difficile*, 270

## O

Ochronosis, synovium in, 762  
 Open heart surgery, altered lymphocyte subsets during, 626  
 Organ transplantation, lymphocyte crossmatch and, 258  
 Ortho ELT-800®, 109  
 Ovarian tumors  
   alpha-lactalbumin in, 752  
   non-Hodgkin's lymphoma and, genotyping and immunotyping (abstract), 411

## P

Papillary carcinoma, 14  
 Papilloma, benign, of male breast, 649  
 Papillomavirus, koilocytosis preceding squamous cell carcinoma and, 243  
 Paraffin sections, detection of estrogen receptors with, in breast carcinoma, 161  
 Parafollicular B-lymphocytes, lymphoma arising from, 121  
 Parasitic infections, 557



- Partial mole, persistence of, 377
- Partitioning, of volatile compounds, in chromatographic headspace analysis, 79
- Passive hemagglutination test, for IgM antibody to hepatitis B core antigen, 267
- Pathology, as investigative discipline, 543
- Pediatric oncology, determination of urinary homovanillic acid using nitrosonaphthol reaction in, 644
- Pediatric patients, cyclosporine determinations in, 528
- Penicillin, susceptibility of coagulase-negative staphylococci to, prediction of, 399
- Percoll, platelet-rich plasma and, platelet-associated IgG in, 218
- Peroxidase activity, increased, in giant neutrophils, in AIDS, 584
- Phase microscopy, for platelet enumeration, 109
- Phenothiazines, benign papilloma of male breast and, 649
- Philadelphia chromosome negative chronic granulocytic leukemia, 299
- Phosphatidylglycerol, in amniotic fluid, determination of (abstract), 422
- Phospholipidosis, amiodarone-associated, 7
- Phospholipids, in amniotic fluids, evaluation of (abstract), 413
- Plasma
- CSF contamination by, effect on CNS IgG synthesis rate and IgG index (abstract), 422
  - factor-deficient, antibody to human immunodeficiency virus in, 263
  - measurement of fibrin D-dimer levels in, using monoclonal antibody coupled to latex beads, 94
  - platelet-rich, platelet-associated IgG in, 218
  - protein C activity of, amidolytic assay of, 619
- Plastic embedding, FAB proposals and, 180
- Platelets (s)
- giant, on H6000, 152
  - size of, automated platelet-sizing parameters and, 365
  - study of, 292
- Platelet-associated IgG, effect of hemolysis on apparent values of, 218
- Platelet calibration, 109
- Platelet clumping, giant, 152
- Platelet comparison, 109
- Platelet count, in rheumatoid arthritis, 196
- Platelet-crit, 365
- Platelet-rich plasma, platelet-associated IgG in, effect of hemolysis on apparent values of, 218
- Pleural fluid, lupus erythematosus cells in, with negative fluorescent antinuclear antibody test, 660
- Pneumococcal sepsis, primary amyloidosis with diffuse splenic infiltration presenting as, 405
- Pneumococemia, overwhelming, primary amyloidosis with diffuse splenic infiltration presenting as, 405
- Pneumocystis carinii*
- bone marrow involvement of, in AIDS, 780
  - transmission and scanning electron microscopic observations of, 504
- Pneumonitis, amiodarone-associated, 7
- Polyethylene glycol, potentiation of red blood cell/antibody reactions by, 633
- Postmortem spleen culture, association with antimicrobial therapy, 770
- Potentiators, of red blood cell antigen-antibody reactions, 633
- Predictive value, derived from likelihood ratios, 673
- Pregnancy tests, enzyme-linked immunosorbent, 236
- Proficiency testing, lymphocyte crossmatch and, regional transplant centers and, 258
- Progesterone receptors, in breast cancer, imprint cytology in detection of, 30
- Prognosis, in multiple myeloma, histologic classification and staining and, 342
- Protamine, in production of heparin rebound and other complications of extracorporeal bypass procedures, 210
- Protein C
- activity assay for, 491
  - amidolytic assay of, 619
  - functional assay for, clinical application of (abstract), 413
  - hereditary deficiency of, 491
- Prothrombin time, measurement of warfarin effect and, 370
- Protoporphyrin, evaluation of anemia risk in blood donors and, 511
- Pseudo-Gaucher cells, in bone marrow, in Hodgkin's disease, 528
- Publication, of original studies, 559
- Pulmonary drug reaction, to amiodarone, 7
- Pulmonary hyalinizing granulomas, 1
- Pulmonary hypertension, in neonate, transfusions and, 380
- Pulmonary infection, in AIDS, rapid diagnosis of (abstract), 416

## Q

- QAE-Sephadex® A50-treated sera, Cytomegalia and indirect fluorescent antibody testing of, comparison of, 230

## R

- Radiation, segmental mastectomy and, angiosarcoma of breast following, 651
- <sup>3</sup>H Radioimmunoassay, for determination of cyclosporine in whole blood, 528
- <sup>125</sup>I Radioimmunoassay, for determination of cyclosporine in whole blood, 528
- Radiometry, failure to detect *Cryptococcus neoformans* fungemia, in AIDS, 783
- Rapid methods, for blood culture, 396
- Reagent strips, for detection of leukocyte esterase activity in urine, 86
- Recombinant DNA immunoassay, evaluation for anti-HTLV III screening of blood donors (abstract), 420
- Recurrence-free survival, in mucinous breast cancer, 155
- Red blood cell alloantibodies, failure to form, in response to neonatal transfusions, 250
- Red blood cell antigen-antibody reactions, potentiation by polyethylene glycol, 633
- Red blood cell compatibility testing, for neonatal transfusions, 250
- Red blood cell distribution width
- in rheumatoid arthritis, 196
  - in thalassemia, 293
- Red blood cell zinc protoporphyrin, evaluation of anemia risk in blood donors and, 511
- Red cell alloimmunization, in HLA-typed multitransfused patients (abstract), 419
- Reference leukocyte differential method, comparison with other methods, 201
- Renal amyloidosis, immunohistochemical characterization of, 756
- Renal cells, protection against damage from free radicals, *in vitro*, 601
- Renal transplant patients, cyclosporine determinations in, 528
- Resident education, in laboratory management, 402
- Rheumatoid arthritis
- hematologic and iron-related measurements in, 196
  - rheumatoid factor and C-reactive protein in, quantitative solid phase fluorescence immunoassay of, 223
- Rheumatoid factor, quantitative solid phase fluorescence immunoassay of, in active rheumatoid arthritis, 223
- Rickettsia, in Mediterranean spotted fever, 669
- Rinse/filtration technics, direct smears versus, 296

## S

- S-100 protein  
 in analysis of dermatopathic lymphadenopathy, with and without associated mycosis fungoides, 187  
 distribution of L1 and, 681  
 in immunohistochemical study of malignant peripheral nerve sheath tumor, 425
- Salivary glands, undifferentiated carcinoma of (abstract), 415
- Sarcoma  
 epithelioid, reaction with antibodies against epithelial membrane antigen, 319  
 extremity soft-tissue, prognostic variables and (abstract), 414  
 neurogenic, immunohistochemical study of, 425  
 thyroid, immunohistology of, 434
- Sclerosing mediastinitis, with pulmonary hyalizing granulomas, 1
- Screening, medical monitoring protocols and, 285
- Sediment count, for detection of leucocytes in urine, 86
- Sellar tumor, without primary cancer of thyroid, 776
- Sepsis, pneumococcal, primary amyloidosis with diffuse splenic infiltration presenting as, 405
- Septi-Chek, comparison with Isolator system, 396
- Serum, lupus erythematosus cells in, with negative fluorescent antinuclear antibody test, 660
- Serum acid phosphatase, in Hodgkin's disease, 528
- Serum ferritin, in rheumatoid arthritis, 196
- Serum immunoglobulins, in chronic lymphocytic leukemia, 60
- Skin, cytomegalovirus infection of, initially diagnosed by skin biopsy, 113
- Skin biopsy, occult cytomegalovirus initially diagnosed by, 113
- Small cell carcinoma, of lung, neuron-specific enolase with, 245
- Smoldering myeloma, histologic classification and staging of, 342
- Solid phase fluorescence immunoassay, of rheumatoid factor and C-reactive protein, in active rheumatoid arthritis, 223
- Specimen type, effect on gas chromatographic headspace analysis of volatile compounds, 79
- Spleen, of normal weight, recognition of hairy cell leukemia in, 276
- Spleen culture, association with antimicrobial therapy, 770
- Splenectomy, blastic variant of hairy-cell leukemia and, 576
- Squamous cell carcinoma  
 cytokeratin expression in, 708  
*in situ*, koilocytosis preceding, 243
- Staging, of multiple myeloma, 342
- Standardized bleeding time, on arm, leg bleeding time compared with, 393
- Staphylococci, coagulase-negative, predicting penicillin susceptibility of, 399
- Staphylococcus epidermidis*  
 native-valve endocarditis caused by, 408  
 rapid identification of, 525
- Statistics, interpretation of, 673
- Steroid hormone receptors, in breast cancer, imprint cytology in detection of, 30
- Stool culture, use of fecal leukocytes as screen for (abstract), 421
- Streptococci, Group A, detection of, 522
- Superoxide dismutase, protection of renal cells against free radical damage *in vitro* and, 601
- Suppressor/cytotoxic T-CLL, aggressive variant of, 55
- Survival, recurrence-free, in mucinous breast cancer, 155
- Synovium, in ochronotic arthropathy, 762
- Syringocystadenoma papilliferum, bilateral breast tumors resembling, 656
- Sysmex E-5000\* blood cell analyzer, evaluation of (abstract), 417
- Systemic lupus erythematosus, detection of anti-nDNA antibodies using *Crithidia luciliae* and, 461

## T

- Taxonomy, of *Pneumocystis carinii*, 504
- T-cell phenotypes, in chronic lymphocytic leukemia, 60
- T-cells, mucosal, in AIDS and AIDS-related complex, 356
- Technicon H+1™, 71
- Technicon H+1, mean platelet volume changes and, 391
- Technicon RA-1000, values of direct bilirubin measured by, in serum of newborns, 642
- Terminal deoxynucleotidyl transferase, in acute leukemias, 732
- Terminal subculturing, failure to detect *Cryptococcus neoformans* fungemia, in AIDS, 783
- Testis, hepatocellular carcinoma metastatic to, 117
- T4+ cells, in rectal tissue, in AIDS and AIDS-related complex, 356
- T4 lymphocytes, cardiopulmonary bypass and, 626
- T4/T8 proportion, cardiopulmonary bypass and, 626
- T4/T8 ratio, reversed, in intestine, in AIDS and AIDS-related complex, 356
- Thalassemia  
 in neonates, screening for, 389  
 red cell distribution width in, 293
- T-helper/T-suppressor cell ratio, in chronic lymphocytic leukemia, 60
- Three-part differential  
 comparison with other methods, 201  
 evaluation of methods for, 628  
 Coulter S-Plus IV and, 745  
 in infectious mononucleosis, 485
- Throat culture, detection of Group A streptococci in, 522
- Thrombocytopenia  
 measurement of antiplatelet antibodies in, 518  
 platelet-associated IgG and, effect of hemolysis on apparent values of, 218
- Thrombosis  
 assay of protein C activity in whole plasma and, 619  
 blood transfusions and, in neonate, 380
- Thymidine labeling index, comparison of %S with, in human tumors (abstract), 415
- Thyroglobulin immunohistochemistry, sellar tumors and, 776
- Thyroid  
 calcium oxalate crystals in, 443  
 ectopic tumor of, 776
- Thyroid cancer, immunohistology of, 434
- Thyroid gland, inflammatory and lymphoid lesions of, 14
- Thyroiditis, subacute, 14  
 calcium oxalate crystals in thyroid and, 443
- Thyroid peroxidase, calcium oxalate crystals in thyroid and, 443
- Thyroid-stimulating hormone assay, as practical thyroid function screen (abstract), 422
- Tinidazole, susceptibility of *Gardnerella vaginalis* to, 640
- Tissue fixation, lectin binding and, 294
- Tissue polypeptide antigen, differentiation of cholangiolar tumors from other hepatic tumors with, 168
- Toxoplasmic lymphadenitis, parafollicular B-lymphocytes in, 121
- Transplant centers, lymphocyte crossmatch and, 258
- Triton tumors, immunohistochemical study of, 425
- Tumor marker  
 for germ cell tumors, 281  
 neuron-specific enolase as, with small cell carcinoma of lung, 245

## U

- Ulcers, gastric, *Campylobacter pyloridis* and, 49
- Ultrastructure  
 in cat scratch disease, 739

- in dermatopathic lymphadenopathy, with and without associated mycosis fungoides, 187
- of *Pneumocystis carinii*, 504
- Uremia, creatinine kinase MB isoenzyme in serum and, 103
- Urinalysis, biochemical screening in, 423
- Urine
  - detection of leukocyte esterase activity in, 86
  - mucus content of, pregnancy test and, 236
- Urine dipstick testing, discrepancy between microscopic examinations and, 678
- Uterus, *in-vivo* synergistic action of 17- $\beta$  estradiol and 2-AAF on (abstract), 414

## V

- Vasculitis, in Mediterranean spotted fever, 669
- Vimentin
  - expression of, in anaplastic thyroid tumors, 434
  - reaction of epitheloid sarcoma with antibodies against, 319
- Virus
  - cytomegalovirus
    - in AIDS, 536
    - in colon biopsies, *in situ* hybridization for (abstract), 411
  - Cytomegalia immunoglobulin M assay in, indirect fluorescent antibody testing compared with, 230
  - occult, initially diagnosed by skin biopsy, 113
  - rapid detection of, in bronchoalveolar lavage, 766
  - human immunodeficiency, antibody to, 263

- papillomavirus, koilocytosis preceding squamous cell carcinoma and, 243
- Volatile compounds, gas chromatographic headspace analysis of, effect of specimen type on, 79
- von Willebrand disease, acquired, due to inhibitor of human myeloma protein, 663

## W

- Warfarin, plasma protein C activity and, 491
- Warfarin effect, Factor IX metal ion-dependent antigen assays for measurement of, 370
- White blood cell differential
  - evaluation of methods for, 628
  - manual and automated, analytical errors of (abstract), 418
- Wilms' tumor, circulating mucin in (abstract), 413

**Abstracts, Selected Abstracts of Papers and Poster Presentations, Scientific Sessions of the Spring Meeting of the American Society of Clinical Pathologists, March 28-April 2, 1987, San Francisco, California, 411**

**Award Lectures and Special Reports, 129, 285, 543, 673**

**Book Reviews, 554**

**In Memoriam**

James Earl Nash, 289

Richard Emery Palmer, 787

**News and Notices, 139, 288, 410, 542, 679, 791**

# INDEX OF AUTHORS

- Abel, Gyorgy, 37  
Abele, John S., 296  
Abraham, Dalia, 556  
Adamec, Thomas, 752  
Adams, Kathleen O., 558  
Ahmed, Suhaib, 383  
Ahmed, Syed A., 383  
Al-Jurf, Adel S., 651  
Alexander, Jay A., 396  
Alhenc-Gelas, Francois, 281  
Altermatt, Hans J., 788  
American National Metric Council, 141  
Anastasiades, K. Dino, 245  
Arendash-Durand, Barbara, 434  
Arkin, Charles F., 628  
Asa, Sylvia L., 327  
Aster, Richard H., 218  
Atkinson, Peter, 196  
Axe, Steven R., 297
- Backman, Fedor, 180  
Balli-Antunes, Mariette, 776  
Bandi, Zoltan L., 236  
Banks, Peter M., 576  
Bannatyne, Robert M., 640  
Banner, Barbara F., 313  
Bara, Jacques, 174  
Barsky, Sanford H., 455  
Bartl, Reiner, 342  
Barwick, Kenneth W., 43  
Basford, R. E., 732  
Baskin, H. Jack, 14  
Battat, Albert, 272  
Baynes, Roy D., 196  
Beard, Michael E. J., 229  
Beckstead, Jay H., 569  
Beeler, Myrton F., 140, 285  
Behr, Edythe D., 626  
Benda, Jo Ann, 651  
Benson III, Al B., 651  
Beranek, Jiri T., 677  
Berger, Stephen A., 272  
Bergquist, Erick J., 558  
Berkowitz, Ross S., 377  
Bessman, David, 000  
Beutner, Ernst H., 461  
Bezwooda, Werner R., 196  
Biers, Kathleen, 640  
Bigorgne, Claude, 281  
Blomberg, David J., 608  
Blonquist, Lona J., 223  
Bodensteiner, David C., 518  
Bogomoletz, Vladimir V., 423  
Bollinger, Pamela B., 71  
Borja, Salvador R., 558, 559  
Bothwell, Thomas H., 196  
Brailas, Carrie D., 71  
Brandtzaeg, Per, 681, 700  
Brody, Jerome I., 626
- Brooks, John J., 292, 434  
Brunning, Richard D., 485  
Buck, George E., 396  
Bullon-Sopelana, A., 669  
Burke, Jerome S., 276  
Busnardo, Marc S., 153  
Butler, James J., 739  
Bychkov, Vladimir, 294  
Byrne, Paul, 294
- Cannon, Grant W., 223  
Cantù-Rajoldi, A., 788  
Chacho, Mary S., 313  
Cheng, Lorna, 766  
Cheng, Mary H., 528  
Cheung, Rose, 640  
Chitre, A. P., 292  
Choi, Chang-Hyun, 443  
Chorzelski, Tadeusz P., 461  
Christensen, Ib, 155  
Clarke, Alison, 522  
Coles, F. Bruce, 402  
Collette, Linda B., 223  
Collins, Janice, 218  
Collins, Robert D., 121  
Collmann, I. Reid, 270  
Conn, Rex B., 245  
Cook, Robert T., 504  
Coon, John S., 313  
Cooper, Brian, 408  
Cornelisse, Cornelis J., 174  
Corvol, Pierre, 281  
Costa, Jose, 180  
Cousar, John B., 121
- Dale, Inge, 681, 700  
Damron, Timothy A., 334  
Dan, Michael, 272  
Davey, Frederick R., 60, 393  
DaLara, Mila, 236  
Dean, Patrick J., 7  
Dehner, Louis P., 319  
Delacretaz, Francoise, 180  
Deng, Jau-Shyong, 461  
Devine, Dana V., 94  
Dewald, Gordon W., 299  
Dolan, William D., 787  
Donnelly, Kathleen, 491  
d'Onofrio, Giuseppe, 152, 584  
Doria, Jr., Manuel I., 752  
Drewinko, Benjamin, 71, 790  
Driscoll, Shirley G., 377  
Droz, Dominique, 756
- Egger, Marlene J., 223  
Elder, B. Laurel, 230  
Ellakany, Soheir, 356  
England, Douglas M., 559  
Ermatinger, Susan V., 297
- Erozan, Yener S., 297  
Evatt, Bruce L., 263
- Fagerhol, Magne K., 681, 700  
Fateh-Moghadam, Ahmed, 342  
Fattu, James M., 608  
Federspiel, Charles F., 745  
Feldman, Philip S., 113  
Feller, Alfred C., 55  
Feorino, Paul, 263  
Ferrari, M., 788  
Fink, Gordon B., 626  
Fitzgerald, Peter H., 299  
Fogo, Agnes B., 745  
Francis, Jr., Robert B., 619  
Frank, James M., 405  
Frisch, Bertha, 342  
Fuhr, Joseph E., 270
- Gaines, Joseph J., Jr., 762  
Ganeval, Dominique, 756  
Garcia, Carlos F., 470  
Garratty, George, 633  
Garrett, Connie R., 298  
Gear, Anthony J., 196  
Gebbers, Jan-Olaf, 788  
Gerber, Heinz A., 776  
Gerber, Michael A., 708  
Gerding, Dale N., 298  
Gerson, Benjamin, 103  
Gil, Joan, 561  
Glew, Robert H., 533  
Glick, Alan D., 121  
Gobbi, Marco, 55  
Golden, Emmel B., Jr., 7  
Gotloib, Lazaro, 556  
Gottfried, Marcia R., 649  
Gottschall, Jerome L., 218  
Graham, Susan S., 365  
Greenberg, Charles S., 94  
Gregory, Kay R., 252  
Griffith, Shayne B., 498  
Grogan, Thomas M., 478  
Groshart, Kenneth D., 7  
Guarda, Luis A., 14  
Guertin, Bethanne P., 628  
Gutierrez, Yezid, 557
- Hale, Joseph H., 402  
Hall, Frank W., 389  
Hall, Gerri S., 525  
Halperin, Edna, 272  
Hambley, Henry, 294  
Hamilton, Stanley R., 301  
Hamoudi, Ayser Chalabi, 678  
Hanes, Verna E., 396  
Hannah, James B., 455  
Hansson, Hans-Arne, 601  
Hansson, Roland B., 601
- Hargreaves, James A., 49  
Hart, Michael N., 504  
Hartsock, Robert J., 533  
Heaton, David C., 299  
Herrera, Guillermo A., 187  
Herrero-Herrero, J. Ignacio, 669  
Hertzendorf, Laurie R., 393  
Heyman, Meyer R., 780  
Hidalgo, Carmen, 660  
Hilborne, Lee H., 766  
Hiller, Erhard, 293  
Hobson, Anne S., 515  
Hochholzer, Liselotte, 1  
Hollings, Peter E., 299  
Holter, John J., 298  
Horwitz, Charles A., 592  
Houlihan, Peter M., 485  
Howanitz, Peter J., 635  
Hrisinko, Mary Ann, 66  
Huang, William Y., 528  
Huh, Yang O., 253  
Hui, Pak K., 55  
Hyma, Bruce A., 201
- Iansmith, David H., 7  
Idlibi, Omar, 423  
Innes, Jr., Donald J., 515  
Itoh, Akira, 663  
Itoh, Gen, 725
- Jackowski, Jerry, 640  
Jackson, Debra, 263  
Jaeger, Klaus, 342  
Jaffer, Shahnawaz, 522  
Jaichenko, Jose, 556  
Jansen, Elaine M., 461  
Jewell, Laurence D., 49  
Johnson, Jr., Houston, 30  
Johnson, Philip C., 498  
Jonsson, Olof, 601  
Jungkind, Donald L., 558
- Kaplan, Alan G., 154  
Kaplan, Sandra S., 732  
Kelley, Michael T., 522  
Kellogg, James A., 399  
Kelly, Michael T., 396  
Kettner, Gerhard, 342  
Khupulsup, Kalayane, 267  
Kiechle, Frederick L., 423  
Kjelby, Karstein, 557  
Klapper, Ellen, 561  
Klempner, Lev B., 642  
Knapp, Cynthia C., 525  
Kobos, Paula J., 628  
Kodama, Fumio, 663  
Komoroske, Clare, 470  
Kovacs, Kalman, 327  
Krause, John R., 732



- Kruskall, Margot S., 101  
 Kumar, Vijay, 461  
 Kunicki, Thomas J., 218  
 Kurathong, Sucha, 267  
 Kurec, Anthony S., 60, 393  
 Kwee, H. G., 295  
 Kyle, Robert A., 385
- LaMarco, Karen L., 533  
 Lacher, David A., 673  
 Lazcko, Jeno, 37  
 Ladley, Jo L., 608  
 Lai-Goldman, Myla, 635  
 Laissue, Jean A., 788  
 Lam, Hwai-Tai, 677  
 Landolfi, Raffaele, 152  
 Langer, Bernard, 423  
 Langevin, Steven, 101  
 LeFor, William M., 258  
 Lee, Robert E., 533  
 Lee, Won K., 201  
 Lennert, Karl, 55  
 Levinson, Richard M., 592  
 Levitz, Robert, 408  
 Levy, Ronald, 470  
 Lewin, Klaus J., 766  
 Li, Chin-Yang, 576  
 LiVolsi, Virginia A., 434  
 Lichtiger, Benjamin, 253  
 Lindholm, Leif, 601  
 Link, Michael P., 470  
 Lippi, Ugo, 391  
 Lipsey, Allen I., 528  
 List, Alan F., 121  
 Littenberg, Benjamin, 408  
 Lloyd, Kenneth O., 129  
 Lofness, Karen G., 485  
 Lowder, James, 470  
 Lowell, David M., 243  
 Ludvigsen, Jr., Carl W., 250  
 Lundgrin, Daryl B., 389
- MacQueen, J. Marilyn, 258  
 Macher, Abe M., 536  
 Mackay, Bruce, 739  
 Mair, Buff, 642  
 Mancini, Stefano R., 152, 584  
 Mango, Giorgio, 152, 584  
 Manivel, J. Carlos, 319, 425  
 Marchevsky, Alberto M., 561  
 Mariano, Elpidio G., 558  
 Martin, Carmen, 716  
 Martin, Jose L. Diez, 576  
 Massood, Shahla, 30  
 Mathios, Anthony J., 296  
 Matthews, Eileen K., 783  
 McAllister, Nancy W., 745  
 McBride, James H., 635  
 McCallum, Richard W., 43  
 McCrae, Keith M., 94  
 McCullough, Jeffrey, 250  
 McDonald, Olivia L., 79
- McDougal, J. Steven, 263  
 McGinn, Debra L., 121  
 Medeiros, L. Jeffrey, 103, 628  
 Melchert, Linda M., 201  
 Meyer, Elisabeth A., 677  
 Miers, Martha K., 745  
 Miettinen, Markku, 292  
 Miles, Jamie A., 635  
 Miller, Hariatmi K., 243  
 Miller, Theodore R., 296  
 Millins, Richard E., 245  
 Mink, Irving B., 365  
 Mittal, Khushbakhat R., 243  
 Mitten, Elizabeth A., 252  
 Modena, Nereo, 391  
 Mogielnicki, R. Peter, 789  
 Mohri, Hiroshi, 663  
 Moore, David, 296  
 Morente, Manuel, 716  
 Mori, Shigeo, 168  
 Morris, Christine M., 299  
 Mostoufi-zadeh, Mahpareh, 377  
 Muirhead, E. Eric, 543  
 Murato, Makoto, 210
- Namikawa, Reiko, 725  
 Nance, Sandra J., 633  
 Nap, Marius, 174  
 Nash, Robert, 218  
 Nelson, Janice M., 677  
 Ng, Lai-King, 49  
 Niblack, Gary, 258  
 Nichols, Gary, 518  
 Nicoli, Marco, 391  
 Nieberg, Roberta K., 766  
 Noel, Laure-Helene, 756  
 Noel, Pierre, 385  
 Noguchi, Tahei, 663
- Ohkubo, Takao, 663  
 Oka, Teruaki, 168  
 Oldroyd, Norman O., 443  
 Olivia, Horacio, 716  
 Ordonez, Nelson G., 423  
 Ortona, Luigi, 584  
 Osborne, Barbara M., 739  
 Ota, Kazuo, 725
- Page, Peter L., 101  
 Palomino, Nola J., 405  
 Papp, Zoltan, 37  
 Pastolero, Gemma C., 168  
 Patrick, Edward A., 608  
 Payne, Barbara A., 201  
 Pearce, Liane, 522  
 Penchansky, Lila, 732  
 Petchclai, Benchra, 267  
 Peter, James B., 635  
 Petersen, Robert A., 101  
 Peterson, Lance R., 298  
 Petrusz, Peter, 327  
 Pettersson, Silas, 601
- Pevzner, Leonid Z., 628  
 Phelps, Jane W., 628  
 Phillips, M. James, 423  
 Phillips, Patricia A., 745  
 Pickering, Nancy J., 626  
 Pierre, Robert V., 201, 299  
 Piguat, Dominique, 180  
 Pileri, Stefano, 55  
 Piris, Miguel A., 716  
 Plattner, Shelley B., 504  
 Plotz, Richard D., 377  
 Polgar, Katalin, 37  
 Porterfield, James G., 7  
 Pratt, Kathleen, 525  
 Pugh, Reginald P., 533
- Quattrociochi-Longe, Therese, 210
- Radany, Eric H., 536  
 Raju, Robert N., 533  
 Ramos-Hidalgo, Almudena, 669  
 Ramsey, Rosemary B., 263  
 Rapaport, Samuel I., 491  
 Rappaport, Henry, 276  
 Rasmussen, Birgitte Bruun, 155  
 Rasmussen, Peter, 780  
 Reeve, Anthony E., 299  
 Reid, John D., 443  
 Restrepo, Carlos, 536  
 Riess, Hanno, 293  
 Rigaud, Claude, 423  
 Rivas, Carmen, 716  
 Rivers, Shirley L., 511  
 Roberts, F. J., 770  
 Robinson, Ann, 498  
 Robinson, Philip G., 783  
 Rodgersen, Denis O., 635  
 Rohmer, Vincent, 281  
 Rose, Carsten, 155  
 Roseman, David L., 313  
 Rosenfeld, Craig S., 518  
 Rothstein, Andreas, 644  
 Rubio, Carlos, 716  
 Ruchtli, Charles, 776  
 Rudy, Jack, 614  
 Ruiz-Beltran, Ricardo, 669  
 Rutherford, Isobel, 525  
 Rutledge, Joe C., 614, 678
- Said, Jonathan W., 161  
 Saint-Andre, Jean-Paul, 281  
 Saleem, Muhammed, 383  
 Sanfilippo, Fred P., 258  
 Sappenfield, Robert W., 285  
 Sara, Atef S., 649  
 Sautter, R. L., 295  
 Savage, Richard A., 293  
 Schade, Robert R., 356  
 Scheer, W. Douglas, 86  
 Scheidt, Regina M., 201  
 Scheithauer, Bernd W., 425
- Schelper, Robert L., 334  
 Schersten, Tore, 601  
 Schiffman, Rob B., 511  
 Schinella, Michele, 391  
 Schmidt, Paul J., 252  
 Schmidt, Pierre-Michel, 180  
 Schmidt, Waldemar, 296  
 Schned, Alan R., 789  
 Schoen, Irwin, 236  
 Schotte, Diana, 103  
 Schustack, Abshalom, 556  
 Scully, Robert E., 117  
 Seyfert, Ulrich, 619  
 Shackney, Stanley E., 533  
 Shah, Kumudini D., 708  
 Shanberge, J. N., 210  
 Shanholtzer, Carol J., 298  
 Sheibani, Khalil, 276  
 Sherbaniuk, Richard W., 49  
 Shintaku, I. Peter, 161  
 Shulman, Ira A., 677  
 Sibley, Richard K., 319, 592  
 Silva, Elvio G., 423  
 Singaraju, Camille, 370  
 Smeeton, Nancy A., 71  
 Smith, J. Robert, 60  
 Smith, John A., 522  
 Smith, Kenneth J., 370  
 Smith, Leslie F., 370  
 Smith, Robert R. L., 301  
 Smith, Sandra J., 628  
 Smith, Thomas F., 230  
 Sommerfeld, Wiltrud, 342  
 Sontag, Stephen J., 43  
 Sorensen, Lori, 334  
 Spika, Sandor, 37  
 Stanley, Michael W., 592  
 Stauffer, Martha E., 789  
 Stehling, Linda, 393  
 Stein, Jacob, 272  
 Sturrock, Roger D., 294  
 Subramony, Charu, 656  
 Suchi, Taizan, 725  
 Sulita, Margaret J., 783  
 Swanson, Jane L., 250  
 Swanson, Paul E., 425  
 Swanson, Sven, 113  
 Swedlund, Jane, 109
- Tabibzadeh, Siamak S., 708  
 Takahashi, Toshitada, 725  
 Talerma, Aleksander, 752  
 Talstad, Ingebrigt, 557  
 Tamburrini, Enrica, 584  
 Tavassoli, Fattaneh A., 23  
 Taylor Diane E., 49  
 Thompson, Ted R., 250  
 Tomar, Russell H., 60  
 Toto, Patrick D., 294  
 Traub, Bernard, 365  
 Travis, Lois B., 299  
 Trent, Diane J., 270

Trujillo, Jose M., 71  
Truniger, Bruno, 789  
Tubbs, Raymond R., 478  
Tummala, Vijayaprasad, 43  
Turner, Roderick R., 569

Ueda, Ryuzo, 725  
ul Haque, Anwar, 504

Vale, Wylie, 327  
van den Ingh, Harry F., 174  
van Neste, Lauryl, 210

Van Patter, H. Terry, 117  
van Thiel, David H., 356  
Vaughn, William K., 258  
Vecsei, Paul, 327  
Velaskar, D. S., 292  
Virtanen, Ismo, 292  
Vladutiu, Adrian O., 660  
Vlahcevic, Reno Z., 43

Wakabayashi, Tomo, 168  
Waldenstrom, Johan, 601  
Walker, David H., 669

Ward, John R., 223  
Wargotz, Eric S., 773  
Warnke, Roger A., 470, 569  
Warren, John R., 783  
Watts, Mark T., 79  
Weil, Susan C., 66, 109  
Weiss, Lawrence M., 470  
Werner, Mario, 773  
Whiteside, Theresa L., 356  
Wick, Mark R., 319, 425  
Winberg, Carl D., 276  
Wirts, Charles W., 558  
Witte, David L., 295

Wood Gary S., 569  
Woods, Gail L., 525  
Wrotnowski, Ute, 515

Yacko, Monica, 109  
Yeh, I. Tien, 23  
Young, Robert H., 117  
Yousem, Samuel A., 1

Zdziarski, Ursula, 732  
Zidar, Bernard L., 533  
Zivelin, Ariella, 491  
Zoma, Asad A., 294

